

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/829,432

DATE: 04/23/2001

TIME: 13:36:30

Input Set : A:\Seqlist.txt  
 Output Set: N:\CRF3\04232001\I829432.raw

# 2

ENTERED

4 <110> APPLICANT: KETCHUM, Karen et al.  
 6 <120> TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,  
 7 NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,  
 8 AND USES THEREOF  
 10 <130> FILE REFERENCE: CL001013  
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 C--> 12 <141> CURRENT FILING DATE: 2001-04-10  
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 13 <151> PRIOR FILING DATE: 2001-03-23  
 15 <150> PRIOR APPLICATION NUMBER: 60/254,554  
 16 <151> PRIOR FILING DATE: 2000-12-12  
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 25 <213> ORGANISM: Human  
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 55 <211> LENGTH: 457  
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 57 <213> ORGANISM: Human

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 61 1 5 10 15  
 62 Val Leu Ser Ala Phe Phe Gln Ser Ala Leu Val Phe Gly Val Leu Arg  
 63 . 20 25 30  
 64 Ser Phe Gly Val Phe Phe Val Glu Phe Val Ala Ala Phe Glu Glu Gln  
 65 35 40 45  
 66 Ala Ala Arg Val Ser Trp Ile Ala Ser Ile Gly Ile Ala Val Gln Gln  
 67 50 55 60  
 68 Phe Gly Ser Pro Val Gly Ser Ala Leu Ser Thr Lys Phe Gly Pro Arg  
 69 65 70 75 80  
 70 Pro Val Val Met Thr Gly Gly Ile Leu Ala Ala Leu Gly Met Leu Leu  
 71 85 90 95  
 72 Ala Ser Phe Ala Thr Ser Leu Thr His Leu Tyr Leu Ser Ile Gly Leu  
 73 100 105 110  
 74 Leu Ser Gly Ser Gly Trp Ala Leu Thr Phe Ala Pro Thr Leu Ala Cys  
 75 115 120 125  
 76 Leu Ser Cys Tyr Phe Ser Arg Arg Arg Ser Leu Ala Thr Gly Leu Ala  
 77 130 135 140  
 78 Leu Thr Gly Val Gly Leu Ser Ser Phe Thr Phe Ala Pro Phe Phe Gln  
 79 145 150 155 160  
 80 Trp Leu Leu Ser His Tyr Ala Trp Arg Gly Ser Leu Leu Leu Val Ser  
 81 165 170 175  
 82 Ala Leu Ser Leu His Leu Val Ala Cys Gly Ala Leu Leu Arg Pro Pro  
 83 180 185 190  
 84 Ser Leu Ala Glu Asp Pro Ala Val Gly Gly Pro Arg Ala Gln Leu Thr  
 85 195 200 205  
 86 Ser Leu Leu His His Gly Pro Phe Leu Arg Tyr Thr Val Ala Leu Thr  
 87 210 215 220  
 88 Leu Ile Asn Thr Gly Tyr Phe Ile Pro Tyr Leu His Leu Val Ala His  
 89 225 230 235 240  
 90 Leu Gln Asp Leu Asp Trp Asp Pro Leu Pro Ala Ala Phe Leu Leu Ser  
 91 245 250 255  
 92 Val Val Ala Ile Ser Asp Leu Val Gly Arg Val Val Ser Gly Trp Leu  
 93 260 265 270  
 94 Gly Asp Ala Val Pro Gly Pro Val Thr Arg Leu Leu Met Leu Trp Thr  
 95 275 280 285  
 96 Thr Leu Thr Gly Val Ser Leu Ala Leu Phe Pro Val Ala Gln Ala Pro  
 97 290 295 300  
 98 Thr Ala Leu Val Ala Leu Ala Val Ala Tyr Gly Phe Thr Ser Gly Ala  
 99 305 310 315 320  
 100 Leu Ala Pro Leu Ala Phe Ser Val Leu Pro Glu Leu Ile Gly Thr Arg  
 101 325 330 335  
 102 Arg Ile Tyr Cys Gly Leu Gly Leu Leu Gln Met Ile Glu Ser Ile Gly  
 103 340 345 350  
 104 Gly Leu Leu Gly Pro Pro Leu Ser Gly Tyr Leu Arg Asp Val Ser Gly  
 105 355 360 365  
 106 Asn Tyr Thr Ala Ser Phe Val Val Ala Gly Ala Phe Leu Leu Ser Gly  
 107 370 375 380

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108 Ser Gly Ile Leu Leu Thr Leu Pro His Phe Phe Cys Phe Ser Thr Thr  
 109 385 390 395 400  
 110 Thr Ser Gly Pro Gln Asp Leu Val Thr Glu Ala Leu Asp Thr Lys Val  
 111 405 410 415  
 112 Pro Leu Pro Lys Glu Gly Leu Glu Gly Leu Asn Ser Thr Glu Ser  
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 121 <211> LENGTH: 6566  
 122 <212> TYPE: DNA  
 123 <213> ORGANISM: Human  
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 133 agtaataaaag tcaagatgg aactgggcca ggcacgggtgg ctcacgcctg taatcccagc 180  
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 136 gctgttaatc ccagaaactc aggagactga ggcaggagaa tcacttgaac cgggagggtg 360  
 137 gaggttgcag tgagccaga tcatgccact gcactccagc ctggccaca gagcaagact 420  
 138 ccgtctcaaa ataaataaaat aaataaataaa ataaataaaa gactggaact gtatctgt 480  
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**VERIFICATION SUMMARY**

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Input Set : A:\Seqlist.txt

Output Set: N:\CRF3\04232001\I829432.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3